IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Meiksin, Zvi H.; T. Brad Petrus;

               Robert J. Kilgore

Anticipated Classification: Class 379 Subclass 323

Filed: HEREWITH

For: POWERLINE COMMUNICATION SYSTEM

Prior Application

        Serial No.:   09/578,757

        Filed: May 25, 2000

        Examiner: Tony T. Nguyen

        Art Unit: 2684

Commissioner for Patents
Washington, D.C. 20231

PRELIMINARY AMENDMENT

S I R :

        Please amend the above-identified divisional

application filed herewith, of pending prior Application Serial

No. 09/578,757, filed May 25, 2000, as set forth below.

IN THE TITLE:

Please change the title to -- POWERLINE COMMUNICATION SYSTEM --

IN THE SPECIFICATION:

Please replace the paragraph beginning at page 1, line 6, with

the following rewritten paragraph:

-- This is a division of Application No. 09/578,757, filed

May 25, 2000. Application No. 09/578,757 claims the benefit of

U.S. Provisional Patent Application No. 60/135,765 entitled

METHOD AND APPARATUS FOR A MINE COMMUNICATIONS SYSTEM, filed on

May 25, 1999 --

In the Abstract delete Title on line 1, page 60.

IN THE CLAIMS:

Please cancel claims 1-75, and add new claims 76-87 as follows.

76. (NEW) A powerline communication system for
communicating in areas where amount of energy used for
communications is limited, comprising:

a signal processor;

one or more interface connector ports; and

a plurality of signal lines connected from the signal
processor to the one or more interface connector ports; and

an AC powerline modem connected to the signal processor via
one of the one or more interface connector ports; and

a transceiver connected to the AC powerline modem,

wherein the AC powerline modem modulates and demodulates
the signals for transmission and reception over the AC powerline
to another signal processor, and the signals received via the
transceiver can be transmitted via the AC powerline modem
through the AC powerline to the another signal processor, and
the signals received from the another signal processor can be
transmitted by the transceiver to propagate the signals within a
desired range of area.

77. (NEW) The powerline communication system as claimed in claim 76, further including:

one or more peripheral devices connected to the signal processor,

wherein the signals transmitted and received by the signal processor can be monitored at the peripheral devices.

78. (NEW) The powerline communication system as claimed in claim 76, wherein the transceiver includes a radio frequency transceiver.

79. (NEW) The powerline communication system as claimed in claim 76, further including one or more indicator lamps coupled to the signal processor to signal status information of the system.

80. (NEW) The powerline communication system as claimed in claim 76, wherein the peripheral device includes a personal computer.

81. (NEW) The powerline communication system as claimed in claim 76, further including a capacitor bridge for connecting to another one of powerline communication system.

82. (NEW) The powerline communication system as claimed in claim 76, further including a galvanically-isolated serial ports for connecting to another one of powerline communication system.

83. (NEW) The powerline communication system as claimed in claim 76, further including a galvanically-isolated RS-232

serial connection for connecting to another one of powerline communication system.

84.   (NEW) The powerline communication system as claimed in claim 76, wherein one or more of the plurality of signal lines include:

a signal line to receive a signal representing intensity of received radio signal from the transceiver.

85.   (NEW) The powerline communication system as claimed in claim 76, wherein the transceiver further includes an antenna to receive and transmit signals.

86.   (NEW) The powerline communication system as claimed in claim 76, wherein the transceiver further includes:

a receiving antenna to receive signals; and

a transmitting antenna to transmit signals.

87.   (NEW) A method of providing powerline communication system for communicating in areas where amount of energy used for communications is limited,   comprising:

connecting a first AC power system with a capacitor bridge to a second AC power system; and

galvanically isolating the first AC power system and the second AC power system by connecting a third AC power system to the second AC power system using galvanically-isolated RS-232 serial connection between the second AC power system and the third AC power system.

4

REMARKS

This is a preliminary amendment to a divisional application of pending prior Application Serial No. 09/578,757, filed May 25, 2000. Claims 1-75 are being canceled, and new claims 76-87 are being added in this preliminary amendment. Prompt consideration and allowance of the present application are earnestly solicited.

If a telephone interview would be of assistance in advancing prosecution of the subject application, Applicant's undersigned attorney requests the Examiner to telephone at the number provided below.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached page is captioned **"Version with markings to show changes made."**

Respectfully submitted,

Eunhee Park

Dated: January 11, 2002

Eunhee Park
Registration No. 42,976
BAKER & McKENZIE
805 Third Avenue
New York, NY 10022
Telephone (212) 751-5700
Facsimile (212) 759-9133

VERSION WITH MARKINGS TO SHOW CHANGES MADE

In the Title:

Please change the title ~~"Facility-Wide Communication System"~~ to POWERLINE COMMUNICATION SYSTEM

In the specification:

Paragraph beginning at line 6 of page 1 has been amended as follows:

This is a division of Application No. 09/578,757, filed May 25, 2000. ~~This a~~Application No. 09/578,757 claims the benefit of U.S. Provisional Patent Application No. 60/135,765 entitled METHOD AND APPARATUS FOR A MINE COMMUNICATIONS SYSTEM, filed on May 25, 1999.

In the claims:

Claims 1-75 have been canceled.

Claims 76-87 have been added.

In the Abstract:

Please delete the Title, on page 60, line 1.

~~Facility-Wide Communication System~~

6